

# U.S. GMDSS MODEL COURSE

<b>Part B - Learning Objectives with Hours</b>		<b>HOURS*</b>
<b>1 INTRODUCTION</b>		0.5
1.1 The Course		1.5
<b>2 PRINCIPLES OF COMMUNICATIONS</b>		
2.1 Principles and basic features of the maritime mobile service.		8.50
2.2 Principles and features of the maritime mobile satellite service.		10.00
2.3 Global Maritime Distress and Safety System (GMDSS)		2.50
<b>3 GMDSS Communication Systems.</b>		
3.1 Purpose and use of Digital Selective Calling (DSC) facilities.		5.00
3.2 General principles of narrow band direct printing (NBDP)		2.00
3.3 Knowledge and use of Inmarsat systems		3.00
3.4 Knowledge and practical use of ship station equipment.		20.00
3.5 Fault Location and rectification on marine electronic equipment.		1.00
<b>4 OTHER GMDSS EQUIPMENT</b>		
4.1 Emergency Position Indicating Radio Beacons (EPIRBs)		2.00
4.2 Search and Rescue Transponder (SART)		2.00
4.3 Maritime Safety Information (MSI) services		1.50
<b>5 DISTRESS ALERTING</b>		
5.1 Search and Rescue Operation (SAR)		1.25
5.2 GMDSS Terrestrial Distress, Urgency and Safety Communication procedures		4.00
5.3 Satellite distress, urgency and safety communication procedures in the GMDSS		1.50
5.4 Protection of distress frequencies		0.50
<b>6 MISCELLANEOUS SKILLS AND OPERATIONAL PROCEDURES FOR GENERAL COMMUNICATIONS</b>		
6.1 Ability to use the English language, written and spoken, for the exchange of communications relevant to the safety of life at sea.		0.50
6.2 Obligatory procedures and practices.		0.75
6.3 Practical and theoretical knowledge of general communications procedures		2.50
<b>7 ASSESSMENT AND EVALUATION</b>		
1 Hour per student practical final		
1 Hour for a comprehensive theoretical examination		

**\*The hours listed are guidelines only and may be adjusted to meet the particular needs of the course and the students. In no case, may they total less than 70 hours.**